

Anti-ARPC5 / p16-Arc Antibody (clone 2G1)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS18287**Specification**

Anti-ARPC5 / p16-Arc Antibody (clone 2G1) - Product Information

Application	WB, IHC-P
Primary Accession	O15511
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	16320
Dilution	WB~~1:1000 IHC-P~~N/A

Anti-ARPC5 / p16-Arc Antibody (clone 2G1) - Additional Information**Gene ID** 10092

Alias Symbol	ARPC5
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Other Names
ARPC5, ARC16, Arp2/3 complex 16 kDa subunit, DJ127C7.3, p16-Arc

Target/Specificity
Human ARPC5 / p16-Arc**Reconstitution & Storage**
Protein A/G purified**Precautions**
Anti-ARPC5 / p16-Arc Antibody (clone 2G1) is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-ARPC5 / p16-Arc Antibody (clone 2G1) - Protein Information****Name** ARPC5**Synonyms** ARC16**Function**
Component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF) (PubMed:9230079). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility (PubMed:9230079). In addition to its role in the cytoplasmic cytoskeleton, the Arp2/3 complex also promotes actin polymerization in the nucleus, thereby regulating gene transcription

and repair of damaged DNA (PubMed:29925947). The Arp2/3 complex promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs) (PubMed:29925947).

Cellular Location

Cytoplasm, cytoskeleton. Cell projection. Nucleus

Anti-ARPC5 / p16-Arc Antibody (clone 2G1) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ARPC5 / p16-Arc Antibody (clone 2G1) - Images